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#### **CLOSURE PLAN - ADDENDUM NO. 2**

#### Martin Lake Steam Electric Station - Ash Pond Area Rusk County, Texas

Submitted to:

Luminant Generation Company LLC

Submitted by:

BULLOCK, BENNETT & ASSOCIATES, LLC

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Texas Professional Engineering Firm No. 8542

Texas Geoscience Firm No. 50127

February 2024

BBA Project No. 24643-01-2024

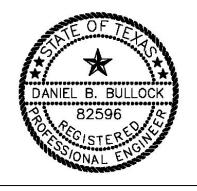
#### **PROFESSIONAL CERTIFICATION**

Bullock, Bennett & Associates, LLC (BBA) is certifying this document to address the Texas Commission on Environmental Quality (TCEQ) Notice of Deficiency (NOD) No. 3 comments for the Martin Lake Steam Electric Station issued December 22, 2023. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I hereby certify that Addendum No.2 to the Closure Plan for the Ash Ponds at the Martin Lake Steam Electric Station has been prepared in accordance with the requirements of 40 C.F.R. §257.102(b).

Daniel B. Sullah

Daniel B. Bullock, P.E. Principal Engineer Bullock, Bennett & Associates, LLC



Date 2/26/2024

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#### DOCUMENT REVISION RECORD

Issue No.	Date	Details of Revisions
Revision 0	October 2016	Original Document
Addendum 1	December 2022	Revised configuration of final cap/cover system for Ash Ponds, added equivalency determination for proposed alternative final cover systems, added cap settlement evaluation, added confirmation that cap slope stability will be modeled using site-specific geotechnical data during final closure design, removal of HELP Modeling from Closure Plan, revised closure schedule to state closure will be completed within five years and add estimated completion year, added section addressing the initiation of closure, and added section to address notification citations
Addendum 2	February 2024	Revised Figure 3, Existing Site Conditions, to specify what existing contours represent; signed, sealed and dated by Texas Licensed P.E Revised Figure 4, Proposed Grading Plan, to add statement that final elevations will be provided during closure of the CCR unit; signed, sealed and dated by Texas Licensed P.E

#### **1.0 INTRODUCTION**

On behalf of Luminant Generation Company LLC (Luminant), Bullock, Bennett & Associates, LLC (BBA) has prepared this Addendum No. 2 to the Closure Plan for the East Ash Pond (EAP), West Ash Pond (WAP), and New Scrubber Pond (NSP) (collectively referred to as the "Ash Ponds") located at the Martin Lake Steam Electric Station (MLSES) in Rusk County, Texas (hereafter, the "Site"). Coal Combustion Residuals (CCR) including flue gas desulfurization (FGD) wastewater and bottom ash generated as part of MLSES operation are managed in the Ash Ponds. The Ash Ponds are regulated as Existing CCR Impoundments under 40 C.F.R. §257, Subpart D (the "CCR Rule"), which has been adopted by the State of Texas under 30 T.A.C. §352.

The original Ash Ponds Closure Plan (PBW, 2016) and Closure Plan Addendum No. 1 (WSP Golder, 2022) was prepared in October 2016 and December 2022, respectively, in accordance with 40 C.F.R.§257.102(b) and placed in the MLSES operating record in accordance with 40 C.F.R. §257.105(h)(10). This Addendum No. 2 updates the Closure Plan to incorporate the changes described in Section 2.0.

#### 2.0 ASH POND AREA CLOSURE PLAN REVISIONS

The following revisions were made to the Ash Pond Area Closure Plan in Addendum 2.

## 2.1 REVISIONS TO CLOSURE PLAN, ASH POND AREA, FIGURE 3 – EXISTING SITE CONDITIONS

Ash Pond Area Figure 3 was revised to specify what existing contours represent. Instead of using the original figure with all three ponds (EAP, WAP, and NSP), find attached the As-Built figure for each of the three ponds. From 2020 through 2023, the EAP, WAP, and NSP were each retrofitted with a new composite liner system meeting the alternative composite liner requirements of 40 CFR § 257.70(c) (HDR, 2021; HDR, 2022; HDR, 2023). The As-Built drawings reflect the existing site conditions for the bottom liner contours of the EAP, WAP, and NSP at the conclusion of the retrofitting work. Additionally, these drawings were signed, sealed, and dated by a Texas Licensed P.E.. These drawings can be found in Appendix A of this Addendum.

#### 2.2 REVISIONS TO CLOSURE PLAN, ASH POND AREA, FIGURE 4 – PROPOSED GRADING PLAN

Ash Pond Area Figure 4 was revised with the signature and seal of a Texas Licensed P.E. and dated accordingly. Additionally, a statement was added to the drawing stating that final elevations for the CCR unit would be provided during closure. The revised drawing can be found in Appendix B of this Addendum.

#### 3.0 REFERENCES

HDR (2021). Construction Completion and Construction Quality Assurance Report, CCR Impoundment Reline East Ash Pond, Martin Lake Steam Electric Station, May.

HDR (2022). Construction Completion and Construction Quality Assurance Report, CCR Impoundment Reline West Ash Pond, Martin Lake Steam Electric Station, June.

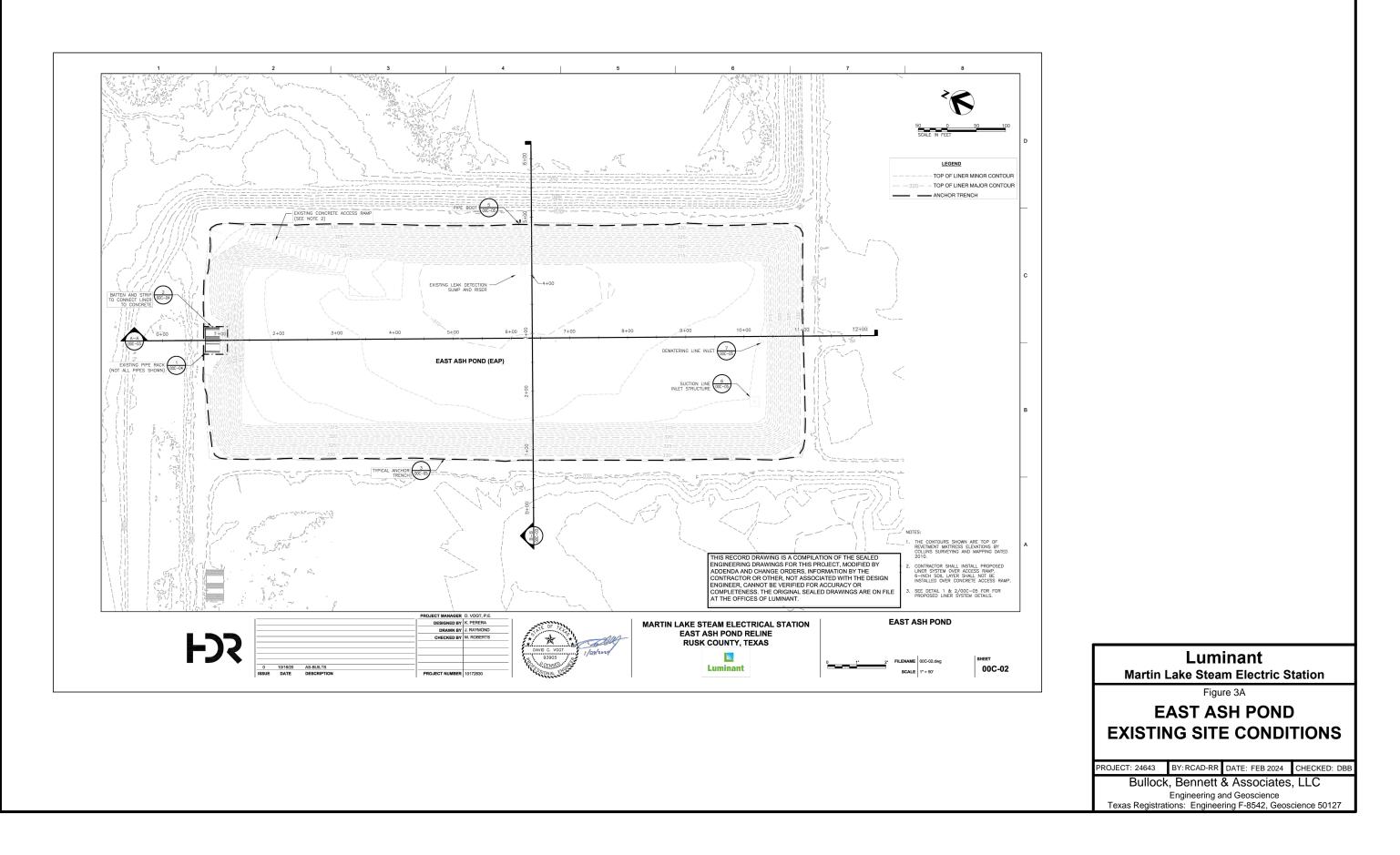
HDR (2023) Construction Completion and Construction Quality Assurance Report, CCR Impoundment Reline New Scrubber Pond, Martin Lake Steam Electric Station.

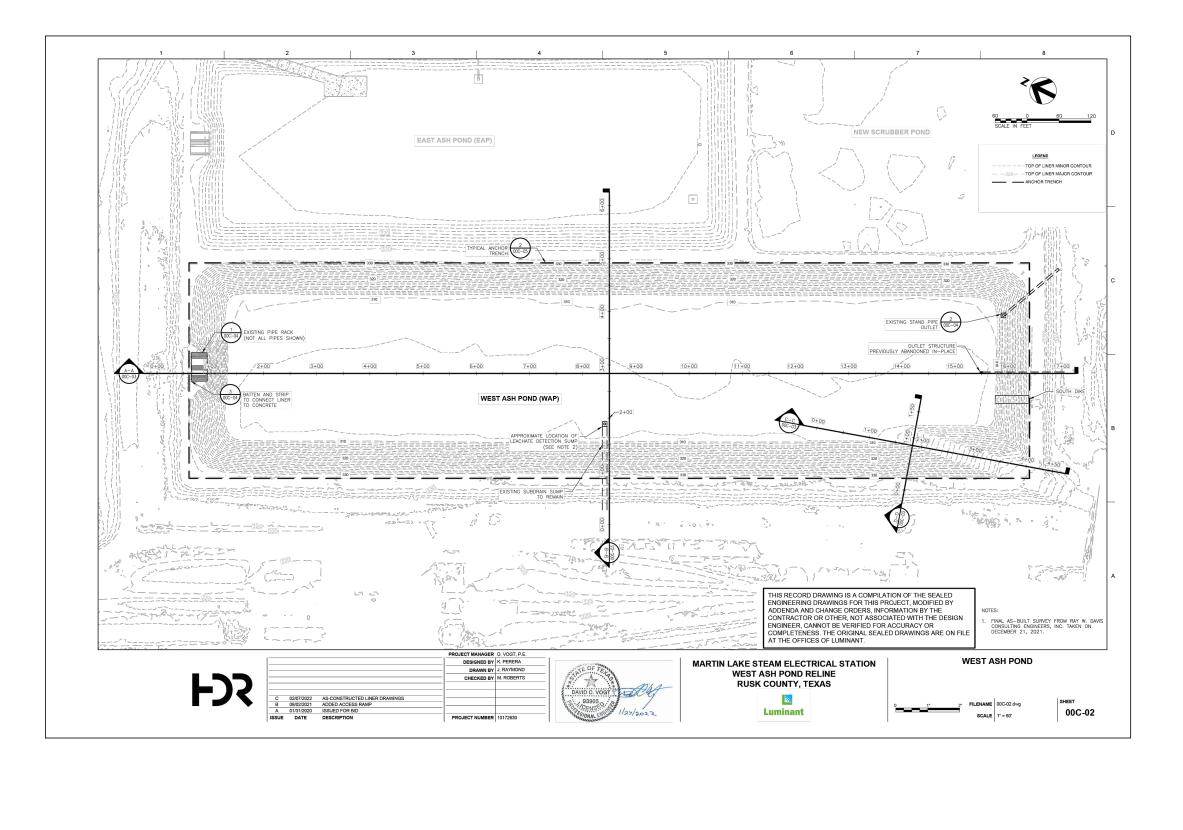
Pastor, Behling & Wheeler, LLC (PBW), 2016. CCR Closure Plan – Bottom Ash Ponds and New Scrubber Pond, Martin Lake Steam Electric Station. October.

WSP Golder, 2022. CCR Closure Plan Addendum No. 1 – Martin Lake Steam Electric Station – Ash Ponds. December.

**APPENDIX A** 

Closure Plan, Ash Pond Area, Figure 3





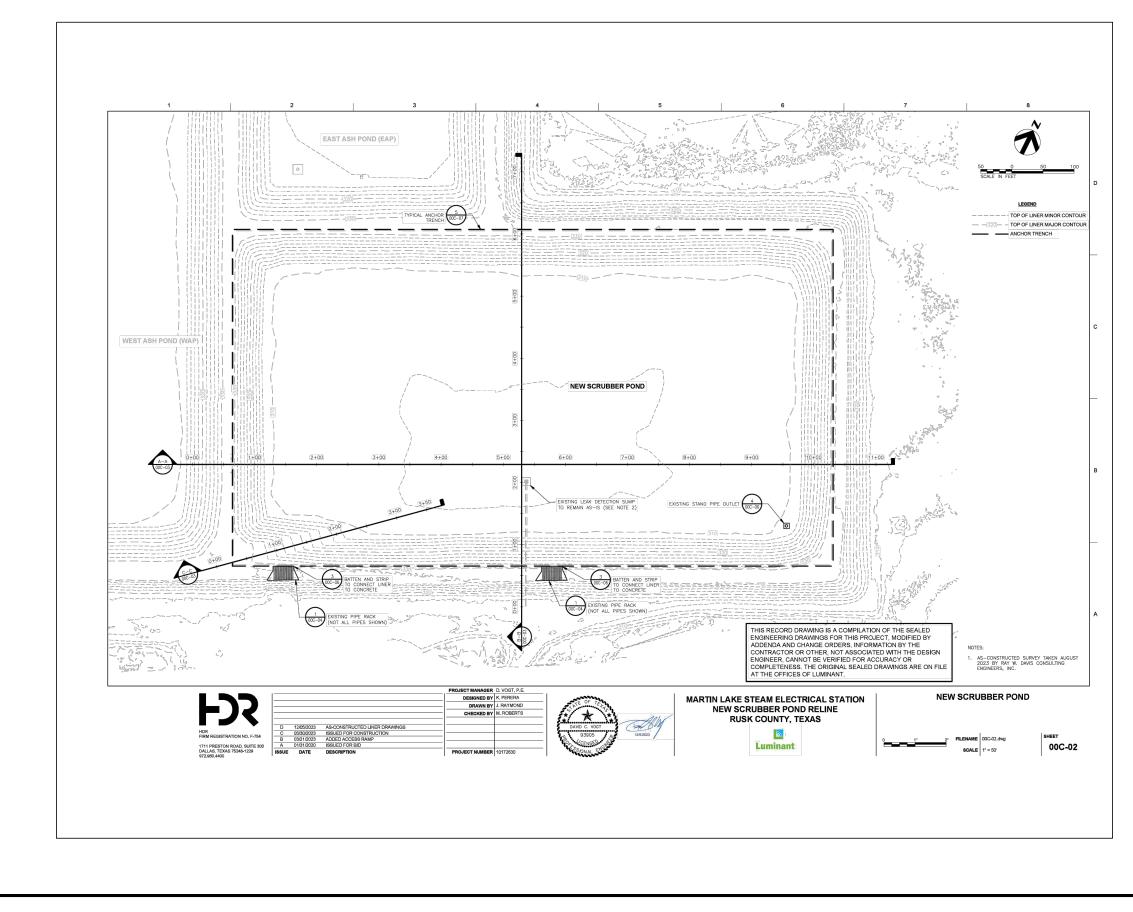
ot Date: 02/22/24 - 3:46pm, Plotted by: Admin rawing Path: K'tclients\bba\Luminant\Lake Martin\24643\, Drawing Name: C-ST-PL103.

Luminant Martin Lake Steam Electric Station Figure 3B

WEST ASH POND EXISTING SITE CONDITIONS

PROJECT: 24643 BY: RCAD-RR DATE: FEB 2024 CHECKED: DBE

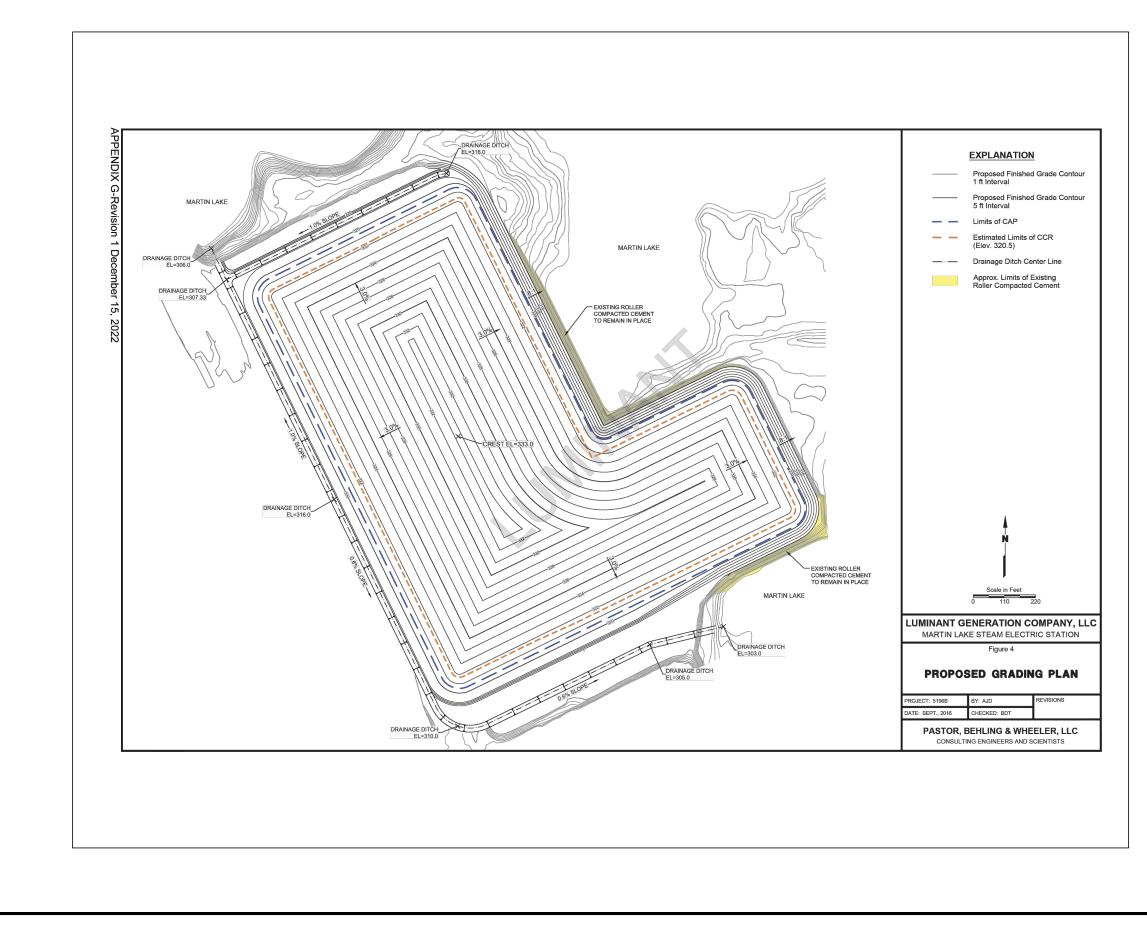
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**APPENDIX B** 

Closure Plan, Ash Pond Area, Figure 4



# NOTE: FINAL ELEVATIONS FOR THE UNIT WILL BE PROVIDED AT CLOSURE. DANIEL B. BULLOCK 82596 llak 2-8-2024 Luminant Martin Lake Steam Electric Station Figure 4 **PROPOSED GRADING PLAN** PROJECT: 24643 BY: RCAD-RR DATE: FEB 2024 CHECKED: DBB Bullock, Bennett & Associates, LLC Engineering and Geoscience Texas Registrations: Engineering F-8542, Geoscience 50127